

ABSTRACT

A line card within a switching node coupled to a network is described. The line card includes a link interface for transmitting communications along a communication link within the network. The link interface further includes

5 multiple logical interfaces having one or more partitions and one or more buffers. The partitions and the buffers accommodate multiple classes of service requirements for the communications transmitted within the network. In one embodiment, bandwidth management and connection admission control in a network encompasses both the line card and the system which uses the line

10 card.